

ABSTRACT

A retractable/extendable antenna unit having a conductive tube for a mobile communication terminal with improved communication performance by means of an elongated rod antenna of a whip antenna in its extended position. The antenna unit has an antenna housing extending from a main body of the terminal, provided with an helical antenna; a whip antenna disposed retractably or extendably with respect to the antenna housing, having in its one end an insulator having a length shorter than that of the helical antenna and in its other end a rod antenna; and a conductive tube disposed in a longitudinal direction of the main body, for receiving the rod antenna. The insulator is positioned within the helical antenna when the whip antenna is fully retracted into the antenna housing. The antenna unit improves antenna performance and decreases SAR.